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L19	L18 and (HIV or EIAV or MLV)	1	<u>L19</u>	ages #	
L18	6080912 [pn]	2	<u>L18</u>		
	L14 and rabies and pseudotype\$	5	<u>L17</u>		
<u>L17</u>	L14 and rabies near10 pseudotype\$	0	<u>L16</u>		
<u>L16</u>	L14 and rabies near G	0	L15		
<u>L15</u>	L13 and rabies	76	L14		
<u>L14</u>	L12 and retrovir\$ near5 vector\$	556	L13		
<u>L13</u>		1019	L12		
<u>L12</u>	dividing near5 non-dividing	0	$\frac{\overline{L11}}{L11}$		
<u>L11</u>	"dividing and non-dividing"	0	L10		
<u>L10</u>	retrovir\$ near10 "dividing and non-dividing"	0	<u>L9</u>		
<u>L9</u>	retrovir\$ near5 "dividing and non-dividing"	1360	<u>L8</u>		
<u>L8</u>	dividing near3 non near dividing	1019			
<u>L7</u>	dividing near3 non-dividing		<u>L7</u>		
<u>L6</u>	retrovir\$ and dividing near3 non-dividing	670	<u>L6</u>		
<u>L5</u>	retrovir\$ near5 dividing near3 non-dividing	81	<u>L3</u>		
<u></u>	retrovir\$ near5 dividing near5 "non-dividing"	82	<u>L4</u>		
$\overline{L3}$	retrovir\$ near5 dividing near5 non-dividing	82	L5 L4 L3 L2		
$\frac{-}{L2}$	retrovir\$ near5 dividing near5 (non-dividing or non near dividing)	82			
L9 L8 L7 L6 L5 L4 L3 L2 L1	retrovir\$ near10 dividing near5 (non-dividing or non near dividing) 118	<u>L1</u>		

END OF SEARCH HISTORY

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L6	EIAV and pseudotype\$	15 <u>L6</u>							
 L5	EIAV and pseudotype\$ and rabies	2 <u>L5</u> 3 <u>L4</u>							
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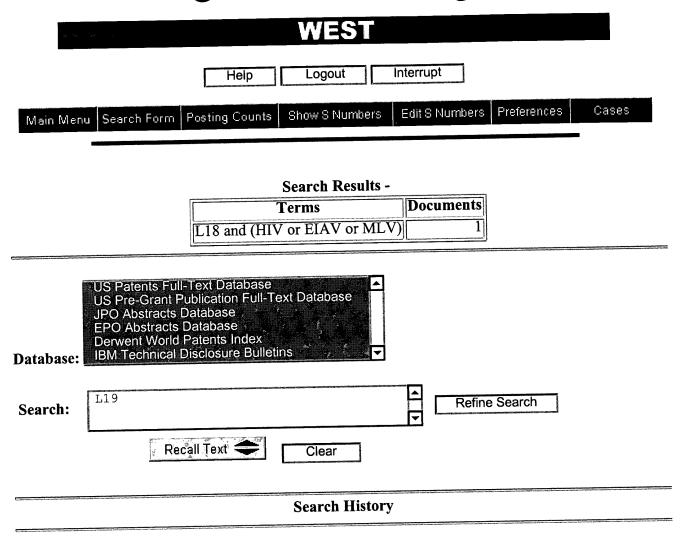
L1 and EIAV

6080912 [pn]

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20010009772 A1

L17: Entry 1 of 5

File: PGPB

Jul 26, 2001

PGPUB-DOCUMENT-NUMBER: 20010009772

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010009772 A1

TITLE: Retroviral packaging cell line

PUBLICATION-DATE: July 26, 2001

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47
Verma, Inder M. Solana Beach CA US
Kafri, Tal San Diego CA US

Kafri, Tal San Diego CA US
Bushman, Frederic Encinitas CA US
Hansen, Mark San Diego CA US

US-CL-CURRENT: $\frac{435}{325}$; $\frac{435}{235}$, $\frac{435}{235}$, $\frac{435}{236}$, $\frac{435}{320}$, $\frac{435}{366}$, $\frac{435}{366}$, $\frac{435}{369}$, $\frac{435}{360}$, $\frac{43$

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, Desc Image

☐ 2. Document ID: US 6291740 B1

L17: Entry 2 of 5

File: USPT

Sep 18, 2001

US-PAT-NO: 6291740

DOCUMENT-IDENTIFIER: US 6291740 B1

TITLE: Transgenic animals

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bremel; Robert D. Hillpoint WI Chan; Anthony W. S. Aloha OR

Burns; Jane C. LaJolla CA

US-CL-CURRENT: 800/23; 435/320.1, 435/325, 435/455, 800/14, 800/21, 800/25

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, Desc Image

3. Document ID: US 6218181 B1

L17: Entry 3 of 5

File: USPT

Apr 17, 2001

US-PAT-NO: 6218181

DOCUMENT-IDENTIFIER: US 6218181 B1

TITLE: Retroviral packaging cell line

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME CITY

TY STATE ZIP CODE

COUNTRY

Verma; Inder M.

Solana Beach San Diego CA CA

Kafri; Tal
Bushman; Frederic

Encinitas

CA CA

Hansen; Mark

San Diego

CA

US-CL-CURRENT: 435/369; 435/325, 435/366

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw Desc Image

KOMC

4. Document ID: US 6080912 A

L17: Entry 4 of 5

File: USPT

Jun 27, 2000

US-PAT-NO: 6080912

DOCUMENT-IDENTIFIER: US 6080912 A

TITLE: Methods for creating transgenic animals

DATE-ISSUED: June 27, 2000

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Bremel; Robert D.

Hillpoint

WI

Chan; Anthony W. S.

Aloha

OR

Burns; Jane C.

La Jolla

CA

US-CL-CURRENT: 800/23; 435/456

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw Desc Image

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☐ 5. Document ID: US 5739018 A

L17: Entry 5 of 5

File: USPT

Apr 14, 1998

US-PAT-NO: 5739018

DOCUMENT-IDENTIFIER: US 5739018 A

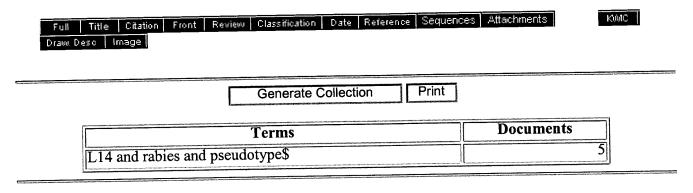
TITLE: Packaging cell lines for pseudotyped retroviral vectors

DATE-ISSUED: April 14, 1998

INVENTOR-INFORMATION:

COUNTRY STATE ZIP CODE CITY NAME CA San Diego Miyanohara; Atsushi CA Del Mar Yee; Jiing-Kuan San Diego CA Chen; Shin-Tai San Diego CA Prussak; Charles Edward CA La Jolla Friedmann; Theodore

US-CL-CURRENT: 435/456; 435/320.1, 435/325, 435/463



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L17: Entry 2 of 5

File: USPT

Sep 18, 2001

US-PAT-NO: 6291740

DOCUMENT-IDENTIFIER: US 6291740 B1

TITLE: Transgenic animals

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

COUNTRY STATE ZIP CODE CITY NAME

WI Hillpoint Bremel; Robert D. OR Aloha Chan; Anthony W. S. CA

LaJolla Burns; Jane C.

ASSIGNEE-INFORMATION:

STATE ZIP CODE COUNTRY TYPE CODE CITY NAME

02 Wisconsin Alumni Research Foundation Madison WI

APPL-NO: 9/ 329749 [PALM] DATE FILED: June 10, 1999

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This application is a continuation-in-part of application Ser. No. 08/821,984 filed Mar. 20, 1997 now U.S. Pat. No. 6,080,912.

INT-CL: [7] $\underline{\text{C12}} \ \underline{\text{N}} \ \underline{\text{15}/\text{00}}, \ \underline{\text{C12}} \ \underline{\text{N}} \ \underline{\text{15}/\text{09}}, \ \underline{\text{C12}} \ \underline{\text{N}} \ \underline{\text{15}/\text{63}}, \ \underline{\text{C12}} \ \underline{\text{N}} \ \underline{\text{15}/\text{70}}, \ \underline{\text{A01}} \ \underline{\text{K}} \ \underline{\text{67}/\text{027}}$

US-CL-ISSUED: 800/23; 800/14, 800/21, 800/25, 435/320.1, 435/325, 435/455 US-CL-CURRENT: 800/23; 435/320.1, 435/325, 435/455, 800/14, 800/21, 800/25

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PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
П	5057420	October 1991	Massey	800/24
	5175384	December 1992	Krimpenfort et al.	800/11
	5453366	September 1995	Sims et al.	800/24
H	5512421	April 1996	Burns et al.	435/320.1
	5523222	June 1996	Page et al.	800/25
	5550034	August 1996	Teng et al.	435/69.1
		-		

FOREIGN PATENT DOCUMENTS

US-CL

FOREIGN-PAT-NO 90/08832 94/29440 PUBN-DATE August 1990 December 1994 COUNTRY WOX WOX

OTHER PUBLICATIONS

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ART-UNIT: 162

PRIMARY-EXAMINER: Clark; Deborah J. R. ASSISTANT-EXAMINER: Paras, Jr.; Peter ATTY-AGENT-FIRM: Quarles & Brady LLP

ABSTRACT:

The present invention provides improved methods and compositions for the generation of transgenic non-human animals. The present invention permits the introduction of exogenous nucleic acid sequences into the genome of unfertilized eggs (e.g., pre-maturation oocytes and pre-fertilization oocytes) by microinjection of infectious retrovirus into the perivitelline space of the egg. The methods of the present invention provide an increased efficiency of production of transgenic animals with a reduced rate of generating animals which are mosaic for the presence of the transgene.

7 Claims, 4 Drawing figures